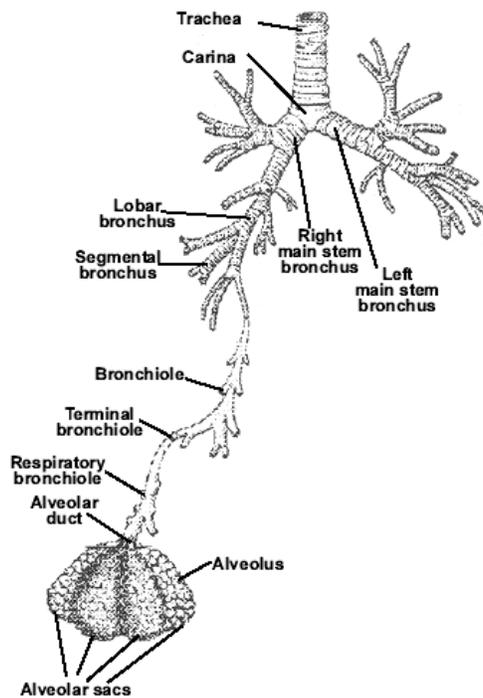


LUNG AND BRONCHUS CANCER

LUNG AND BRONCHUS CANCER

GENERAL PROFILE⁴

Figure 36. Anatomy of the Respiratory Tract⁵



General Anatomy: The lungs, a pair of sponge-like, cone-shaped organs, are part of the respiratory system. The right lung has three sections, called lobes; it is a little larger than the left lung, which has two lobes. When we breathe in, the lungs take in oxygen, which our cells need to live and carry out their normal functions. When we breathe out, the lungs get rid of carbon dioxide, which is a waste product of the body's cells.

Risk Factors: Smoking is the most prevalent risk factor in determining risk for Lung and Bronchus Cancer. Exposure to radon, asbestos, pollution, certain lung diseases, such as tuberculosis, and personal family history are all also important risk factors.

Signs and Symptoms: Common signs and symptoms include: a cough that doesn't go away and gets worse over time, constant chest pain, coughing up blood, shortness of breath, wheezing or hoarseness, repeated problems with pneumonia or bronchitis, swelling of the neck and face, loss of appetite or weight loss, and fatigue.

Diagnosing the Cancer: The most common ways of diagnosing Lung and Bronchus Cancer are: bronchoscopy, needle aspiration, thoracentesis, thoracotomy.

Treatment: Treatment options include: surgery, chemotherapy, radiation therapy, and photodynamic therapy.

HIGHLIGHTS

- Nevadan females had a higher ratio than males when the incidence and mortality age-adjusted rates for Lung and Bronchus Cancer were compared. Females had a ratio of 1.36 while the ratio for males was 1.27. This means that for every death due to Lung and Bronchus Cancer there would be 1.36 female cases while only 1.27 cases for every male death.
- The median age at diagnosis of Lung and Bronchus Cancer for Nevada residents and females was 69 years of age from 1996 to 2000 while the median age for males was 68 years. The median age at time of death due to Lung and Bronchus Cancer was 70 years for Nevada overall and females and 69 years of age for males.

INCIDENCE

- There were 7,162 cases of Lung and Bronchus Cancer reported in Nevada from 1996 to 2000, which was the highest of any type of cancer during this period. Clark County had a statistically significant higher incidence rate of Lung and Bronchus Cancer (87.5) during this period, with both Washoe County and All Other Counties, as a region, slightly lower at rates of 78.1 and 77.3, respectively. However Nevada, as a whole, as well as the three regions had statistically significant higher rates than the National rate of 62.8 (per 100,000 – 2000 US Standard population).
- Whites and Blacks, as racial/ethnic groups, accounted for 95.6% of all reported Lung and Bronchus Cancer cases during the 1996 to 2000 period. Their higher age-adjusted incidence rates, 91.0 and 82.3 respectively, showed statistical significance over Asians, Native Americans and Hispanics who had age-adjusted incidence rates of 45.0, 33.6 and 25.0 (per 100,000 – 2000 US Standard population), respectively, during this same period.
- The higher age-adjusted incidence rate for males was statistically significant at 98.8 (95.6-102.2) over the rate for females (72.2, 69.7-74.7) during the 1996 to 2000 period. However, both had statistically significant higher rates when compared to their national counterparts. The difference was considerably more for females who were 46.2% greater than the National rate, while the rate difference for Males was still a considerable 21.3% over the National rate during this period.

INPATIENT HOSPITAL DISCHARGES

- Billed charges from Lung and Bronchus Cancer inpatient discharges accounted for nearly 150 million dollars from 1996 to 2000. Nevadans in the 55-64 and 65-74 age groups accounted for 65.8% of the total charges during this period. The overall daily billed amount for these discharges was approximately \$3,822 in Nevada during this period.
- There were 4,895 Inpatient Discharges for Lung and Bronchus Cancer to Nevada residents in Nevada from 1996 to 2000. Clark County (61.4) had the highest age-adjusted inpatient discharge rate for Lung and Bronchus Cancer in Nevada, and showed statistical

significance over the rates for Nevada overall, Washoe County, and All Other Counties who had rates of 56.5, 49.0 and 44.8 (per 100,000 – 2000 US Standard population), respectively.

- The median total billed charges in Nevada for inpatient discharges due to Lung and Bronchus Cancer from 1996 to 2000 was \$24,201. Clark County had the highest median total billed charge, \$25,913, when compared to the amounts for Washoe County and All Other Counties of \$20,627 and \$17,074.

MORTALITY

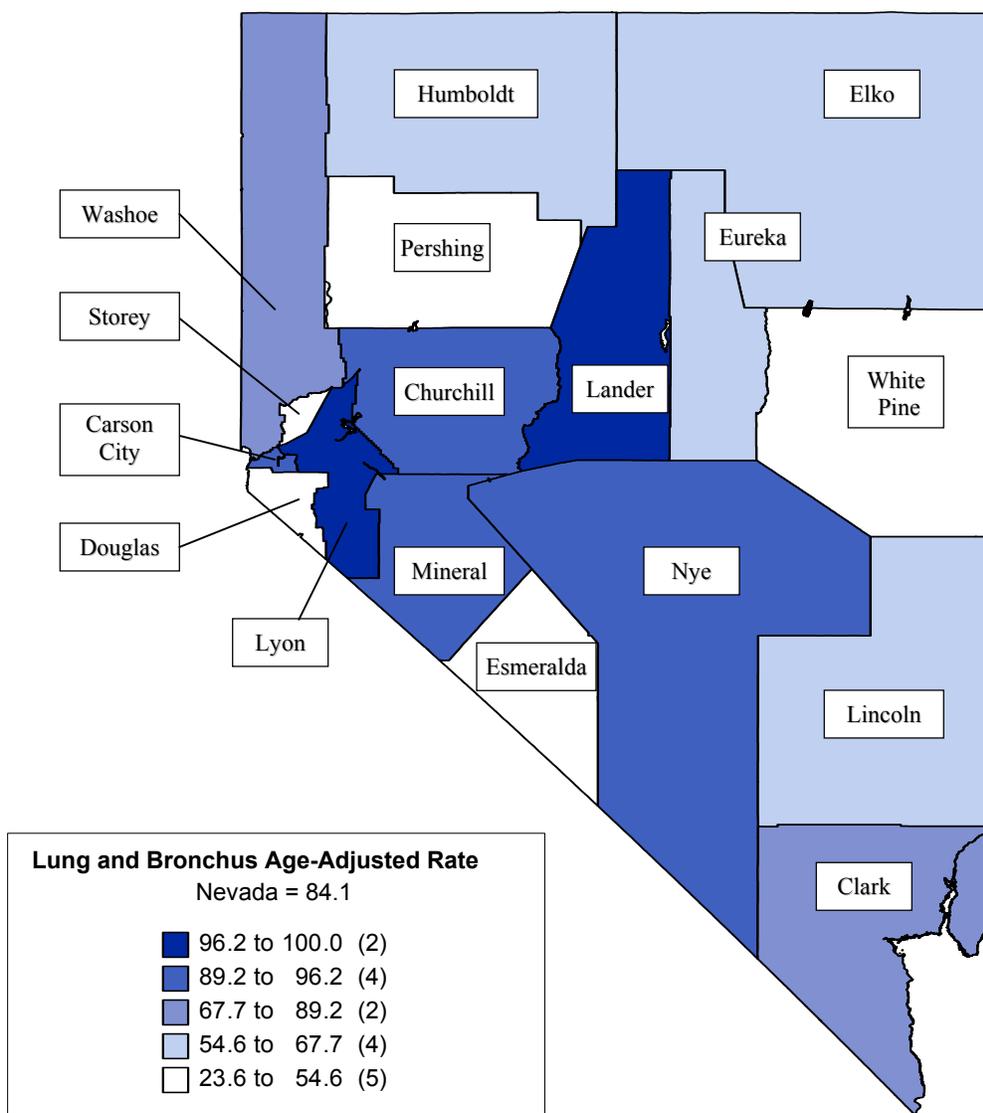
- There were 5,385 resident deaths due to Lung and Bronchus Cancer from 1996 to 2000. Clark County had a higher age-adjusted mortality rate (66.9) than Washoe County (61.4) and All Other Counties, as a region, (58.1) during the 1996 to 2000 period.
- Nevadan males had a 46.1% higher statistically significant age-adjusted mortality rate (78.1) for Lung and Bronchus Cancer when compared to the female rate of 53.4 (per 100,000 – 2000 US Standard population) for the 1996 to 2000 period.
- Whites and Blacks, as racial/ethnic groups, accounted for 96.4% of all reported Lung and Bronchus Cancer cases during the 1996 to 2000 period. Their higher age-adjusted mortality rates, 69.6 and 68.3 respectively, showed statistical significance over Asians, Native Americans and Hispanics who had age-adjusted incidence rates of 34.7, 30.3 and 16.3 (per 100,000 – 2000 US Standard population), respectively, during this same period.

SURVIVAL RATE

- Females had a higher one-year survival rate (40.3%) than males (34.4%) for Lung and Bronchus Cancer in Nevada from 1996 to 2000. This trend was similar for the median survival time with females and males at 0.84 and 0.76 years, respectively. However, the difference decreased by the five-year survival rate where females only had a slightly higher rate at 8.6% with males at 8.2% during this period.
- Asians, as a racial/ethnic group, had the highest one-year survival rate for Lung and Bronchus Cancer (44.9%) as well as the highest five-year survival rate (10.6%) of those groups that had a rate calculated for Nevada from 1996 to 2000.
- The Lung and Bronchus Cancer Survival Rate varies greatly by the stage of the cancer at time of diagnosis. Those diagnosed at the localized stage had the highest one- and five-year survival rates with 76.1% and 38.3%, respectively. This was followed by those with Regional and then Distant diagnoses with rates of 52.1% and 18.5% for the one year period and 9.2% and 2.2% for the five year period.

INCIDENCE

Figure 37. Lung and Bronchus Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 38. Lung and Bronchus Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1996-2000

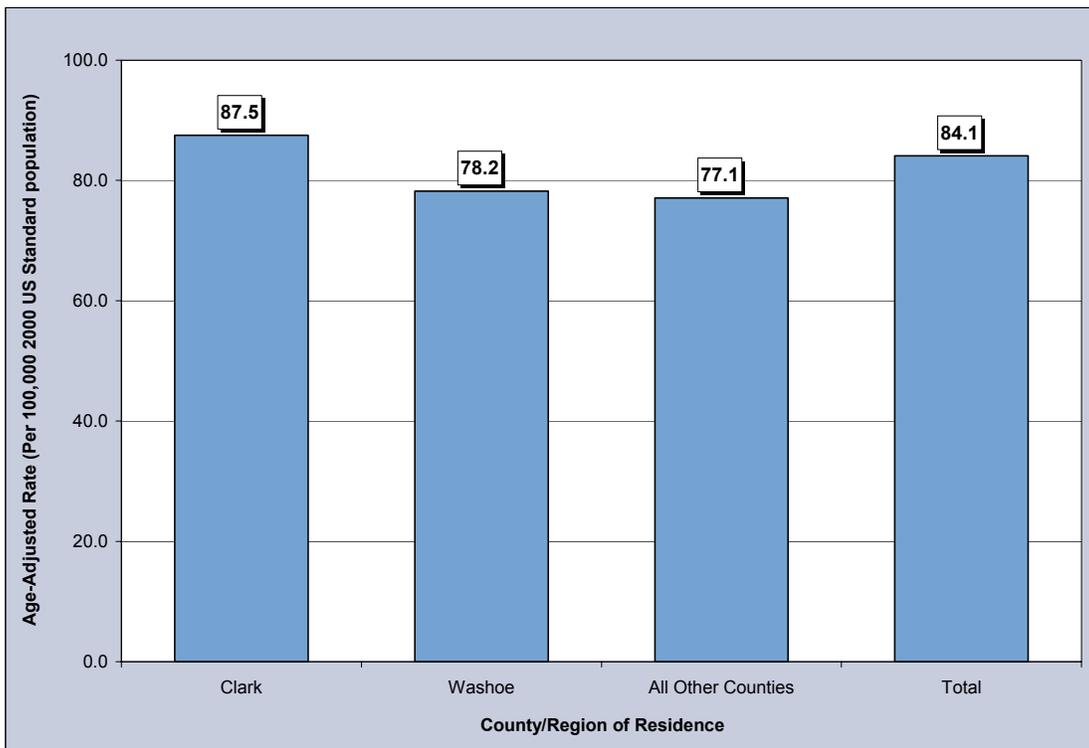


Figure 39. Lung and Bronchus Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1996-2000

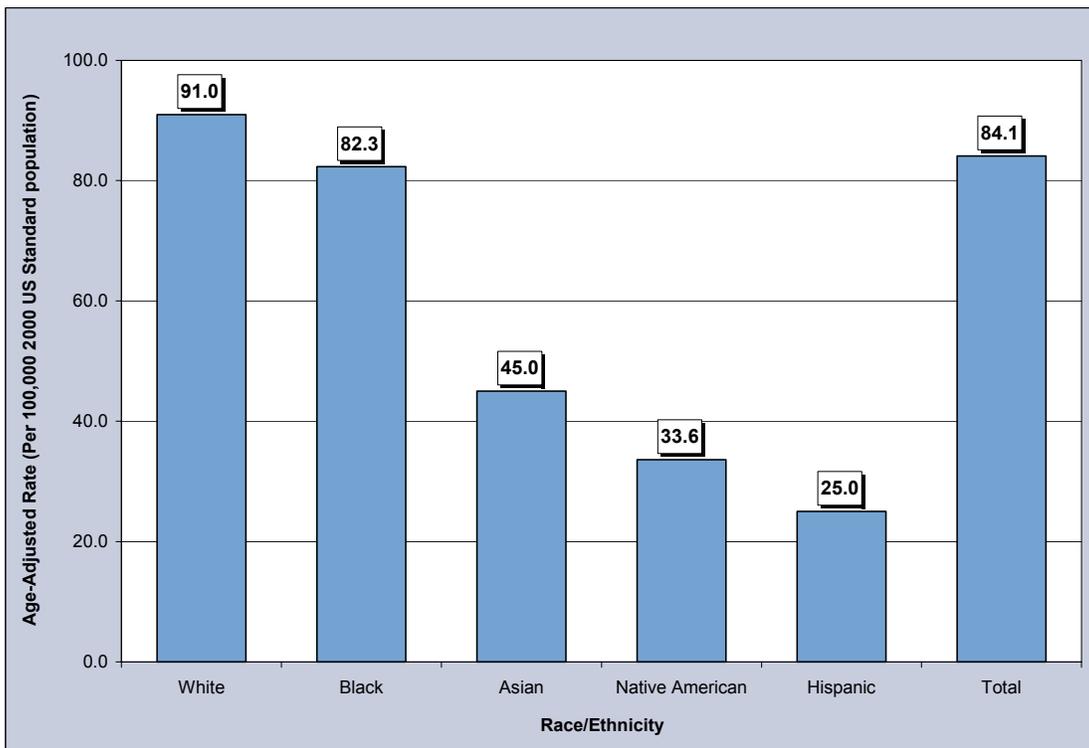


Table 42. Lung and Bronchus Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	7,162	4,930	1,122	1,108	2	104,761
Rate*	84.1	87.5	78.2	77.1	---	62.8
95% C.I.	(82.1-86.1)	(85.0-90.1)	(73.7-83.0)	(72.5-81.9)	---	(62.5-63.2)
Gender						
Male	3,947	2,712	603	630	2	58,573
Rate*	98.8	103.3	91.1	90.8	---	81.5
95% C.I.	(95.6-102.2)	(99.1-107.7)	(83.6-99.2)	(83.6-98.7)	---	(80.8-82.2)
Female	3,214	2,218	519	477	0	46,188
Rate*	72.2	75.1	68.2	64.9	---	49.3
95% C.I.	(69.7-74.7)	(71.9-78.3)	(62.4-74.3)	(59.2-71.1)	---	(48.9-49.8)
Other/Unknown	1	0	0	1	0	0
Race/Ethnicity						
White	6,522	4,386	1,053	1,081	2	86,528
Rate*	91.0	96.1	82.8	81.7	---	63.2
95% C.I.	(88.7-93.3)	(93.2-99.0)	(77.9-88.1)	(76.8-86.8)	---	(62.8-63.6)
Black	325	300	21	4	0	11,170
Rate*	82.3	81.8	93.6	---	---	81.1
95% C.I.	(73.2-92.7)	(72.3-92.6)	(56.7-148.3)	---	---	(79.6-82.7)
Native American	28	11	6	11	0	206
Rate*	33.6	31.4	---	33.5	---	20.5
95% C.I.	(21.9-50.6)	(14.9-65.7)	---	(16.4-62.2)	---	(17.7-17.7)
Asian	134	104	28	2	0	6,564
Rate*	45.0	44.6	56.9	---	---	43.6
95% C.I.	(36.1-56.9)	(34.2-59.0)	(36.0-97.5)	---	---	(42.5-44.7)
Hispanic	140	116	14	10	0	4,648
Rate*	25.0	27.1	21.3	15.9	---	29.8
95% C.I.	(20.5-30.6)	(21.6-34.1)	(10.9-41.4)	(7.1-34.0)	---	(28.9-30.7)
Other/Unknown	13	13	0	0	0	293

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing rates for racial/ethnic groups to the National (SEER) rates. See Technical Notes for more information.

Table 43. Lung and Bronchus Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	7,162	4,930	1,122	1,108	2	104,761
Rate*	77.0	78.3	68.5	80.9	---	56.6
95% C.I.	(75.2-78.8)	(76.1-80.5)	(64.5-72.5)	(76.1-85.6)	---	(56.2-56.9)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	0	0	0	0	0	6
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
15-24	1	1	0	0	0	43
Rate*	---	---	---	---	---	0.2
95% C.I.	---	---	---	---	---	(0.1-0.2)
25-34	18	14	2	2	0	275
Rate*	1.3	1.4	---	---	---	0.9
95% C.I.	(0.7-1.8)	(0.7-2.1)	---	---	---	(0.8-1.1)
35-44	127	94	18	15	0	2,331
Rate*	8.5	9.5	6.5	6.6	---	7.5
95% C.I.	(7.0-10.0)	(7.6-11.4)	(3.5-9.5)	(3.3-10.0)	---	(7.2-7.8)
45-54	630	440	106	84	0	9,336
Rate*	52.1	55.5	47.2	43.7	---	40.8
95% C.I.	(48.0-56.2)	(50.4-60.7)	(38.2-56.2)	(34.3-53.0)	---	(40.0-41.6)
55-64	1,695	1,182	244	268	1	21,460
Rate*	196.9	203.3	172.5	194.3	---	153.3
95% C.I.	(187.5-206.3)	(191.7-214.9)	(150.8-194.1)	(171.0-217.5)	---	(151.2-155.3)
65-74	2,739	1,862	431	445	1	37,267
Rate*	441.8	449.1	427.3	425.9	---	323.0
95% C.I.	(425.3-458.4)	(428.7-469.5)	(387.0-467.7)	(386.3-465.4)	---	(319.7-326.3)
75-84	1,658	1,132	272	254	0	27,729
Rate*	505.9	523.5	494.3	449.7	---	381.5
95% C.I.	(481.5-530.2)	(493.0-554.0)	(435.5-553.0)	(394.4-505.0)	---	(377.0-386.0)
85+	293	204	49	40	0	6,312
Rate*	415.9	476.2	339.9	303.2	---	254.5
95% C.I.	(368.3-463.5)	(410.8-541.5)	(244.7-435.1)	(209.2-397.1)	---	(248.2-260.8)
Unknown	1	1	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The “---” is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 44. Lung and Bronchus Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1996-2000

County of Residence at Diagnosis	1996-2000 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	260	106.1	(93.2-119.0)	89.2	(78.6-101.0)
Churchill	105	89.0	(72.0-106.0)	93.3	(76.2-113.5)
Clark	4,930	78.3	(76.1-80.5)	87.5	(85.0-90.1)
Douglas	128	64.0	(52.9-75.1)	54.6	(45.1-66.0)
Elko	74	32.3	(24.9-39.7)	58.5	(44.9-75.6)
Esmeralda	4	---	---	---	---
Eureka	5	---	---	---	---
Humboldt	37	44.1	(29.9-58.3)	60.7	(42.0-86.5)
Lander	19	59.3	(32.6-85.9)	100.0	(58.6-161.5)
Lincoln	18	88.3	(47.5-129.1)	67.7	(40.0-118.3)
Lyon	186	115.0	(98.4-131.5)	96.7	(83.2-112.4)
Mineral	35	127.1	(85.0-169.3)	94.3	(65.1-136.1)
Nye	204	137.4	(118.6-156.3)	96.2	(82.6-112.3)
Pershing	12	42.1	(18.3-65.9)	51.9	(26.7-93.4)
Storey	5	---	---	---	---
Washoe	1,122	68.5	(64.5-72.5)	78.2	(73.7-83.0)
White Pine	16	36.7	(18.7-54.7)	31.2	(17.8-52.6)
Unknown	2	---	---	---	---
Total	7,162	77.0	(75.2-78.8)	84.1	(82.1-86.1)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 45. Lung and Bronchus Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender				
	Male	Female	Other/Unknown	Total	
White	Incidence	3,569	2,952	1	6,522
	Rate*	105.0	79.6	---	91.0
	95% C.I.	(101.4-108.8)	(76.7-82.5)	---	(88.7-93.3)
Black	Incidence	185	140	0	325
	Rate*	102.2	66.8	---	82.3
	95% C.I.	(86.4-121.8)	(55.8-79.6)	---	(73.2-92.7)
Native American	Incidence	15	13	0	28
	Rate*	40.5	29.9	---	33.6
	95% C.I.	(20.6-79.4)	(15.6-52.7)	---	(21.9-50.6)
Asian	Incidence	71	63	0	134
	Rate*	59.7	33.7	---	45.0
	95% C.I.	(43.8-83.0)	(24.5-48.7)	---	(36.1-56.9)
Hispanic	Incidence	99	41	0	140
	Rate*	36.5	14.7	---	25.0
	95% C.I.	(28.5-47.7)	(10.1-21.2)	---	(20.5-30.6)
Other/Unknown	8	5	0	13	
Total	Incidence	3,947	3,214	1	7,162
	Rate*	98.8	72.2	---	84.1
	95% C.I.	(95.6-102.2)	(69.7-74.7)	---	(82.1-86.1)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 46. Lung and Bronchus Cancer Cases by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender			
	Male	Female	Other/ Unknown	Total
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	1	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	13	5	0	18
Rate*	1.7	---	---	1.3
95% C.I.	(0.8-2.7)	---	---	(0.7-1.8)
35-44	63	64	0	127
Rate*	8.2	8.9	---	8.5
95% C.I.	(6.1-10.2)	(6.7-11.0)	---	(7.0-10.0)
45-54	327	303	0	630
Rate*	53.4	50.8	---	52.1
95% C.I.	(47.6-59.2)	(45.1-56.5)	---	(48.0-56.2)
55-64	969	725	1	1,695
Rate*	226.0	167.8	---	196.9
95% C.I.	(211.8-240.2)	(155.6-180.0)	---	(187.5-206.3)
65-74	1,547	1,192	0	2,739
Rate*	506.0	379.4	---	441.8
95% C.I.	(480.8-531.2)	(357.9-400.9)	---	(425.3-458.4)
75-84	877	781	0	1,658
Rate*	594.7	433.2	---	505.9
95% C.I.	(555.3-634.0)	(402.8-463.6)	---	(481.5-530.2)
85+	150	143	0	293
Rate*	661.6	299.3	---	415.9
95% C.I.	(555.7-767.4)	(250.3-348.4)	---	(368.3-463.5)
Unknown	1	0	0	1
Total	3,947	3,214	1	7,162
Rate*	83.4	70.3	---	77.0
95% C.I.	(80.8-86.1)	(67.9-72.7)	---	(75.2-78.8)

Note: The "—" is used for rates calculated on numbers less than ten.

* Rates are per 100,000 age-specific population.

Table 47. Lung and Bronchus Cancer Cases by Age Group and Stage, Nevada Residents, 1996-2000

Age Group		Stage					Total
		In situ	Localized	Regional	Distant	Unstaged	
<1	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
1-4	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
5-14	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
15-24	Number	0	0	1	0	0	1
	Percent	---	---	100.0%	---	---	100.0%
25-34	Number	0	5	3	7	3	18
	Percent	---	27.8%	16.7%	38.9%	16.7%	100.0%
35-44	Number	0	10	32	69	16	127
	Percent	---	7.9%	25.2%	54.3%	12.6%	100.0%
45-54	Number	0	75	115	302	138	630
	Percent	---	11.9%	18.3%	47.9%	21.9%	100.0%
55-64	Number	0	251	347	669	428	1,695
	Percent	---	14.8%	20.5%	39.5%	25.3%	100.0%
65-74	Number	0	460	548	907	824	2,739
	Percent	---	16.8%	20.0%	33.1%	30.1%	100.0%
75-84	Number	0	274	257	509	618	1,658
	Percent	---	16.5%	15.5%	30.7%	37.3%	100.0%
85+	Number	0	31	34	59	169	293
	Percent	---	10.6%	11.6%	20.1%	57.7%	100.0%
Unknown	Number	0	0	0	0	1	1
	Percent	---	---	---	---	100.0%	100.0%
Total	Number	0	1,106	1,337	2,522	2,197	7,162
	Percent	---	15.4%	18.7%	35.2%	30.7%	100.0%

Table 48. Lung and Bronchus Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1996-2000

Stage		Race/Ethnicity						Total
		White	Black	Native American	Asian	Hispanic	Other/Unknown	
In situ	Number	0	0	0	0	0	0	0
	Percent	---	---	---	---	---	---	---
Localized	Number	1,019	43	0	22	14	8	1,106
	Percent	15.6%	13.2%	---	16.4%	10.0%	61.5%	15.4%
Regional	Number	1,212	64	6	23	30	2	1,337
	Percent	18.6%	19.7%	21.4%	17.2%	21.4%	15.4%	18.7%
Distant	Number	2,296	105	10	51	58	2	2,522
	Percent	35.2%	32.3%	35.7%	38.1%	41.4%	15.4%	35.2%
Unstaged	Number	1,995	113	12	38	38	1	2,197
	Percent	30.6%	34.8%	42.9%	28.4%	27.1%	7.7%	30.7%
Total	Number	6,522	325	28	134	140	13	7,162
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

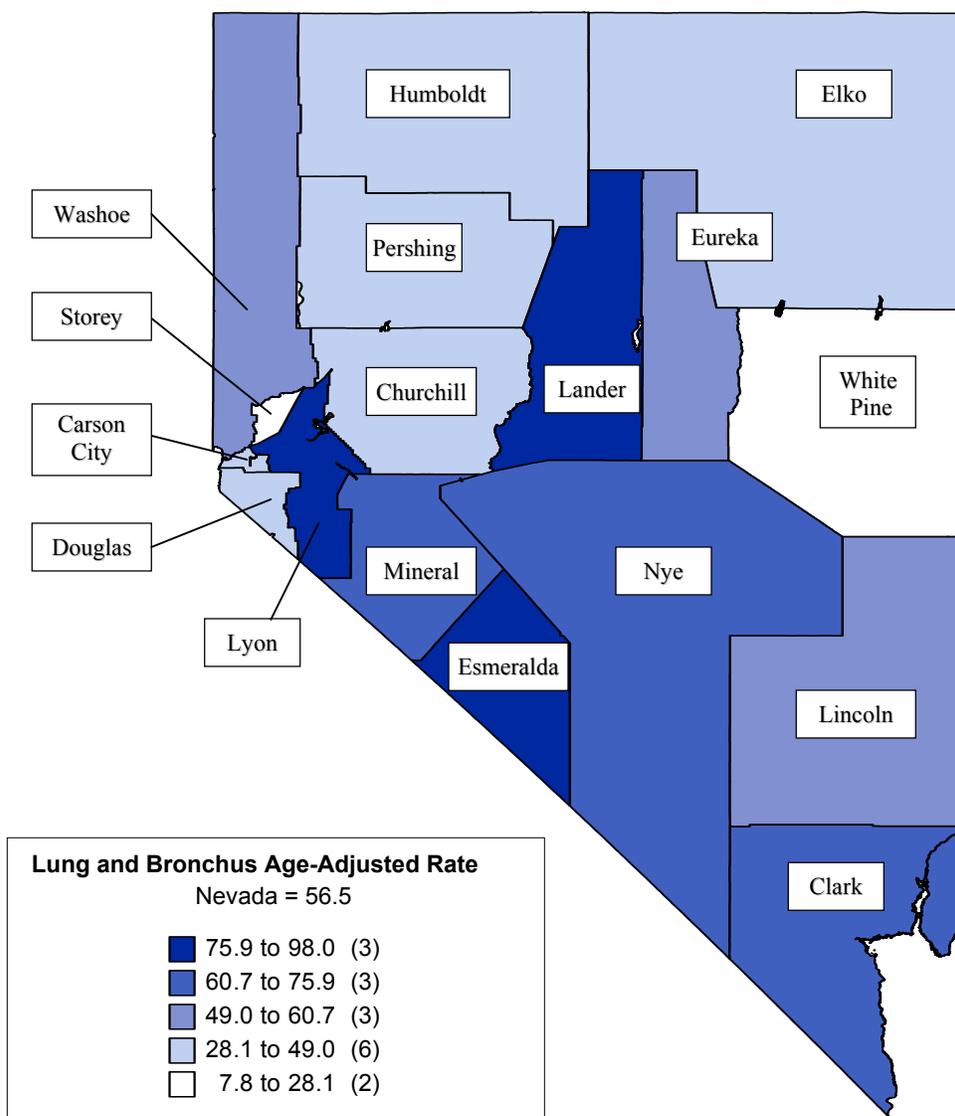
Table 49. Median Age at Diagnosis of Lung and Bronchus Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender					
	Male		Female		Total	
	Incidence	Median Age	Incidence	Median Age	Incidence	Median Age
White	3,568	69.0	2,952	69.0	6,520	69.0
Black	185	65.0	140	66.0	325	66.0
Native American	15	68.0	13	70.0	28	68.5
Asian	71	69.0	63	66.0	134	66.0
Hispanic	99	64.0	41	65.0	140	64.0
Other/Unknown	8	69.0	5	69.0	13	69.0
Total	3,946	68.0	3,214	69.0	7,160	69.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

Figure 40. Lung and Bronchus Cancer Age-Adjusted (2000) Inpatient Hospital Discharge Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical notes for more information.

Figure 41. Lung and Bronchus Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1996-2000

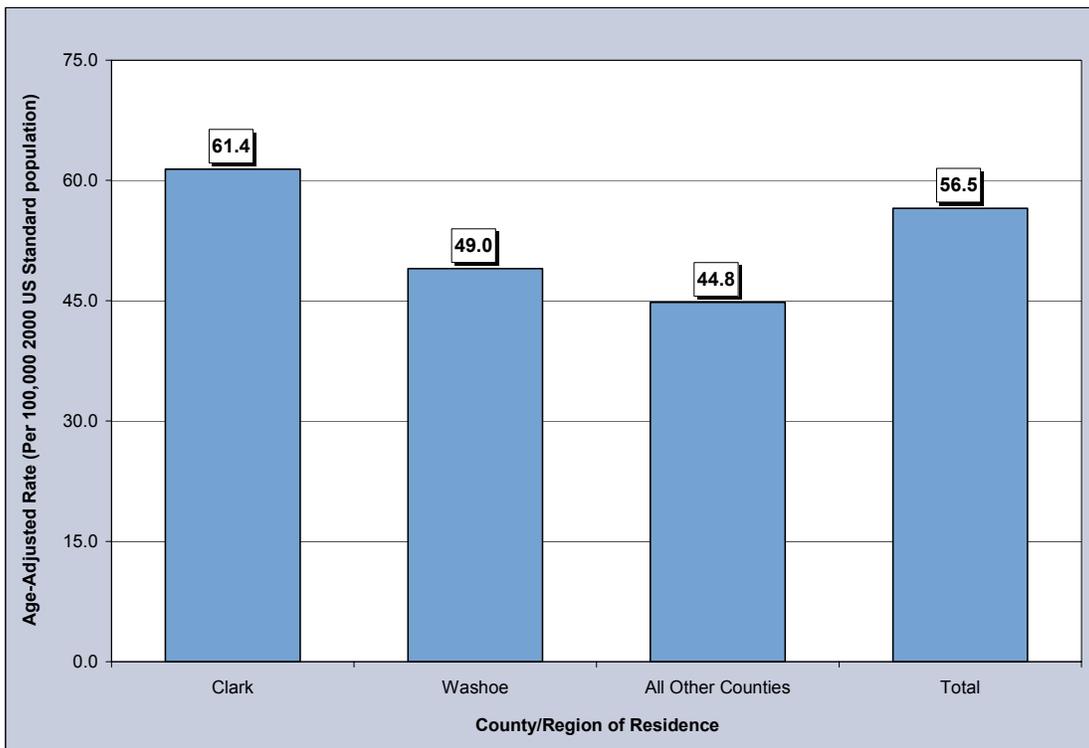


Figure 42. Median Charges for Lung and Bronchus Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

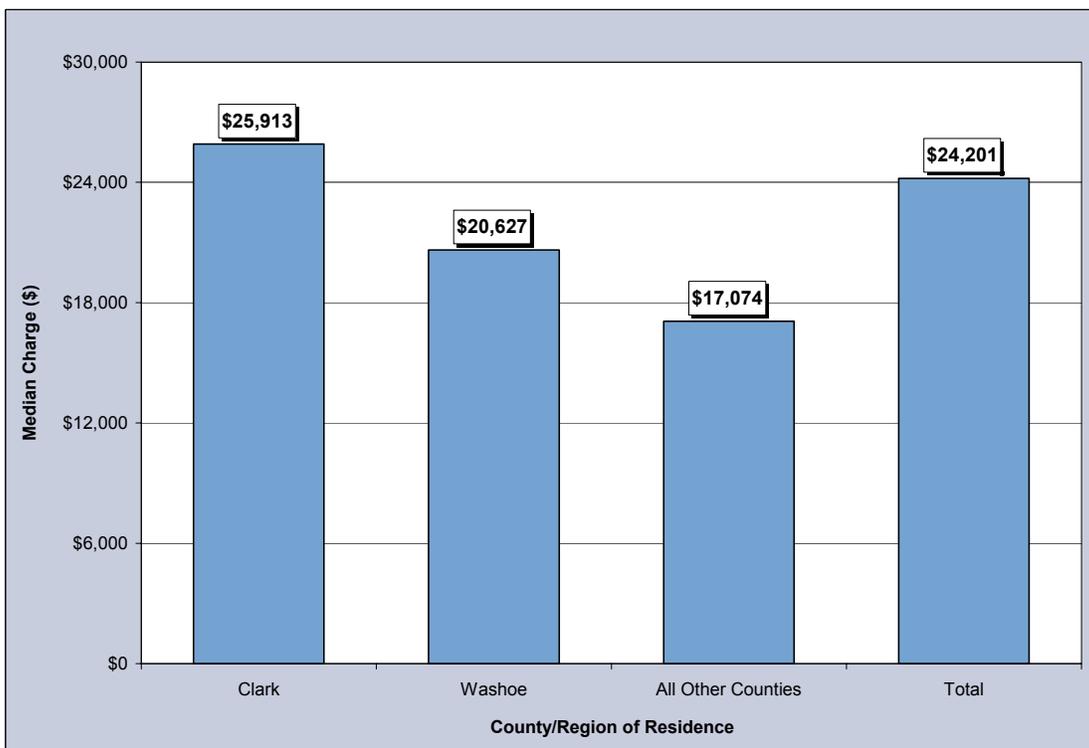


Figure 43. Average Length of Stay for Lung and Bronchus Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

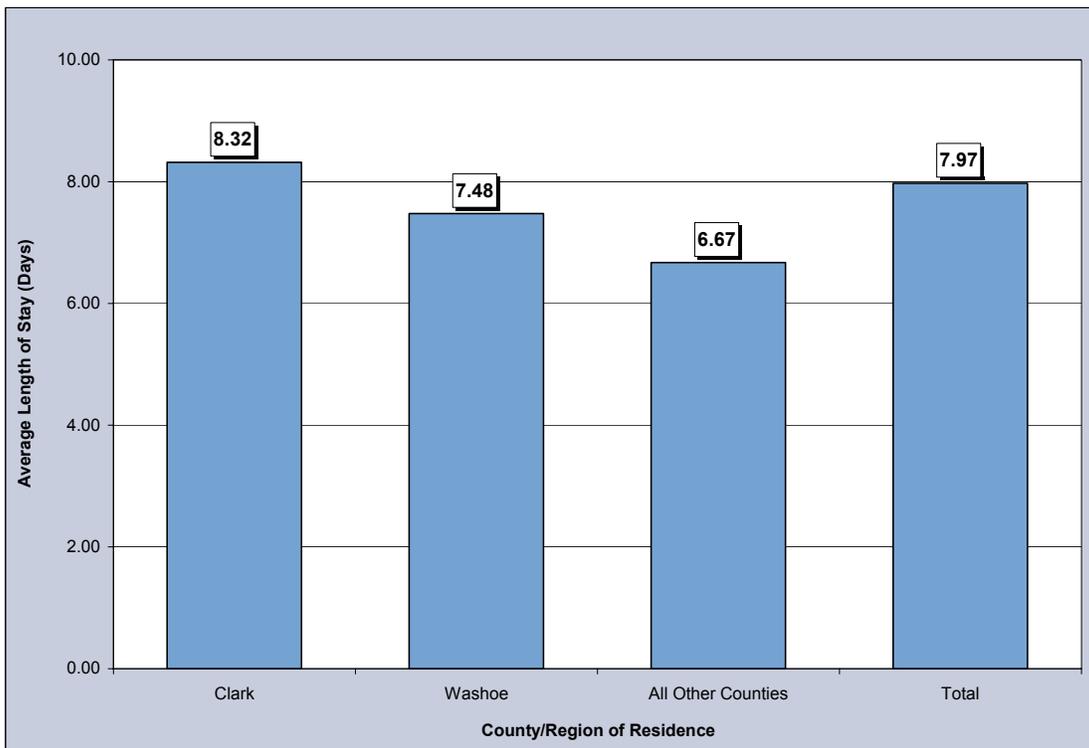


Table 50. Lung and Bronchus Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	4,895	3,532	709	651	3
Rate*	56.5	61.4	49.0	44.8	---
95% C.I.	(54.9-58.2)	(59.3-63.5)	(45.4-52.9)	(41.4-48.5)	---
Gender					
Male	2,592	1,908	333	349	2
Rate*	63.3	70.5	49.3	49.7	---
95% C.I.	(60.8-66.0)	(67.1-74.0)	(43.9-55.4)	(44.4-55.6)	---
Female	2,303	1,624	376	302	1
Rate*	51.2	54.2	49.2	40.8	---
95% C.I.	(49.1-53.3)	(51.5-56.9)	(44.3-54.5)	(36.3-45.7)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$149,204,005	\$115,506,592	\$18,390,109	\$15,220,766	\$86,538
Average Charges	\$30,481	\$32,703	\$25,938	\$23,381	\$28,846
Median Charges	\$24,201	\$25,913	\$20,627	\$17,074	\$5,794
Discharge Length of Stay (LOS) (Days)					
Total LOS	39,033	29,376	5,302	4,343	12
Average LOS	8.0	8.3	7.5	6.7	4.0
Median LOS	6.0	7.0	6.0	5.0	1.0

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 51. Lung and Bronchus Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	4,895	3,532	709	651	3
Rate*	52.6	56.1	43.3	47.5	---
95% C.I.	(51.1-54.1)	(54.3-58.0)	(40.1-46.5)	(43.9-51.2)	---
Age Group					
<1	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
1-4	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
5-14	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
15-24	1	1	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
25-34	10	9	0	1	0
Rate*	0.7	---	---	---	---
95% C.I.	(0.3-1.1)	---	---	---	---
35-44	123	95	12	16	0
Rate*	8.2	9.6	4.3	5.8	---
95% C.I.	(6.8-9.7)	(7.7-11.5)	(1.9-6.8)	(2.9-8.6)	---
45-54	480	357	70	53	0
Rate*	39.7	45.1	31.2	23.6	---
95% C.I.	(36.1-43.3)	(40.4-49.7)	(23.9-38.5)	(17.2-30.0)	---
55-64	1,277	947	174	156	0
Rate*	148.3	162.9	123.0	110.3	---
95% C.I.	(140.2-156.5)	(152.5-173.2)	(104.7-141.3)	(93.0-127.6)	---
65-74	1,837	1,294	263	279	1
Rate*	296.3	312.1	260.8	276.6	---
95% C.I.	(282.8-309.9)	(295.1-329.1)	(229.3-292.3)	(244.2-309.1)	---
75-84	1,016	725	164	126	1
Rate*	310.0	335.3	298.0	229.0	---
95% C.I.	(290.9-329.0)	(310.9-359.7)	(252.4-343.6)	(189.0-269.0)	---
85+	151	104	26	20	1
Rate*	214.3	242.8	180.4	138.7	---
95% C.I.	(180.1-248.5)	(196.1-289.4)	(111.0-249.7)	(77.9-199.5)	---
Unknown	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 52. Lung and Bronchus Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	1	1
Rate*	---	---	---
95% C.I.	---	---	---
25-34	7	3	10
Rate*	---	---	0.7
95% C.I.	---	---	(0.3-1.1)
35-44	55	68	123
Rate*	7.1	9.4	8.2
95% C.I.	(5.2-9.0)	(7.2-11.7)	(6.8-9.7)
45-54	241	239	480
Rate*	39.4	40.1	39.7
95% C.I.	(34.4-44.3)	(35.0-45.1)	(36.1-43.3)
55-64	702	575	1,277
Rate*	163.7	133.1	148.3
95% C.I.	(151.6-175.8)	(122.2-143.9)	(140.2-156.5)
65-74	990	847	1,837
Rate*	323.8	269.6	296.3
95% C.I.	(303.6-344.0)	(251.4-287.8)	(282.8-309.9)
75-84	520	496	1,016
Rate*	352.6	275.1	310.0
95% C.I.	(322.3-382.9)	(250.9-299.3)	(290.9-329.0)
85+	77	74	151
Rate*	339.6	154.9	214.3
95% C.I.	(263.8-415.5)	(119.6-190.2)	(180.1-248.5)
Unknown	0	0	0
Total	2,592	2,303	4,895
Rate*	54.8	50.4	52.6
95% C.I.	(52.7-56.9)	(48.3-52.4)	(51.1-54.1)

* Rates are per 100,000 age-specific population.

Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 53. Lung and Bronchus Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

County of Residence	1996-2000 Inpatient Hospital Discharges				
	Number	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	93	37.9	(30.2-45.7)	31.4	(25.3-38.6)
Churchill	49	41.5	(29.9-53.2)	42.1	(31.1-56.2)
Clark	3,532	56.1	(54.3-58.0)	61.4	(59.3-63.5)
Douglas	75	37.5	(29.0-46.0)	33.2	(25.7-42.8)
Elko	35	15.3	(10.2-20.3)	28.1	(19.1-40.7)
Esmeralda	8	---	---	---	---
Eureka	5	---	---	---	---
Humboldt	28	33.4	(21.0-45.7)	43.0	(28.1-65.1)
Lander	14	43.7	(20.8-66.6)	76.0	(40.0-133.0)
Lincoln	14	68.7	(32.7-104.7)	52.2	(28.4-99.6)
Lyon	153	94.6	(79.6-109.5)	81.1	(68.5-95.7)
Mineral	22	79.9	(46.5-113.3)	65.3	(40.3-103.7)
Nye	139	93.6	(78.1-109.2)	60.8	(50.8-73.3)
Pershing	7	---	---	---	---
Storey	2	---	---	---	---
Washoe	709	43.3	(40.1-46.5)	49.0	(45.4-52.9)
White Pine	7	---	---	---	---
Unknown	3	---	---	---	---
Total	4,895	52.6	(51.1-54.1)	56.5	(54.9-58.2)

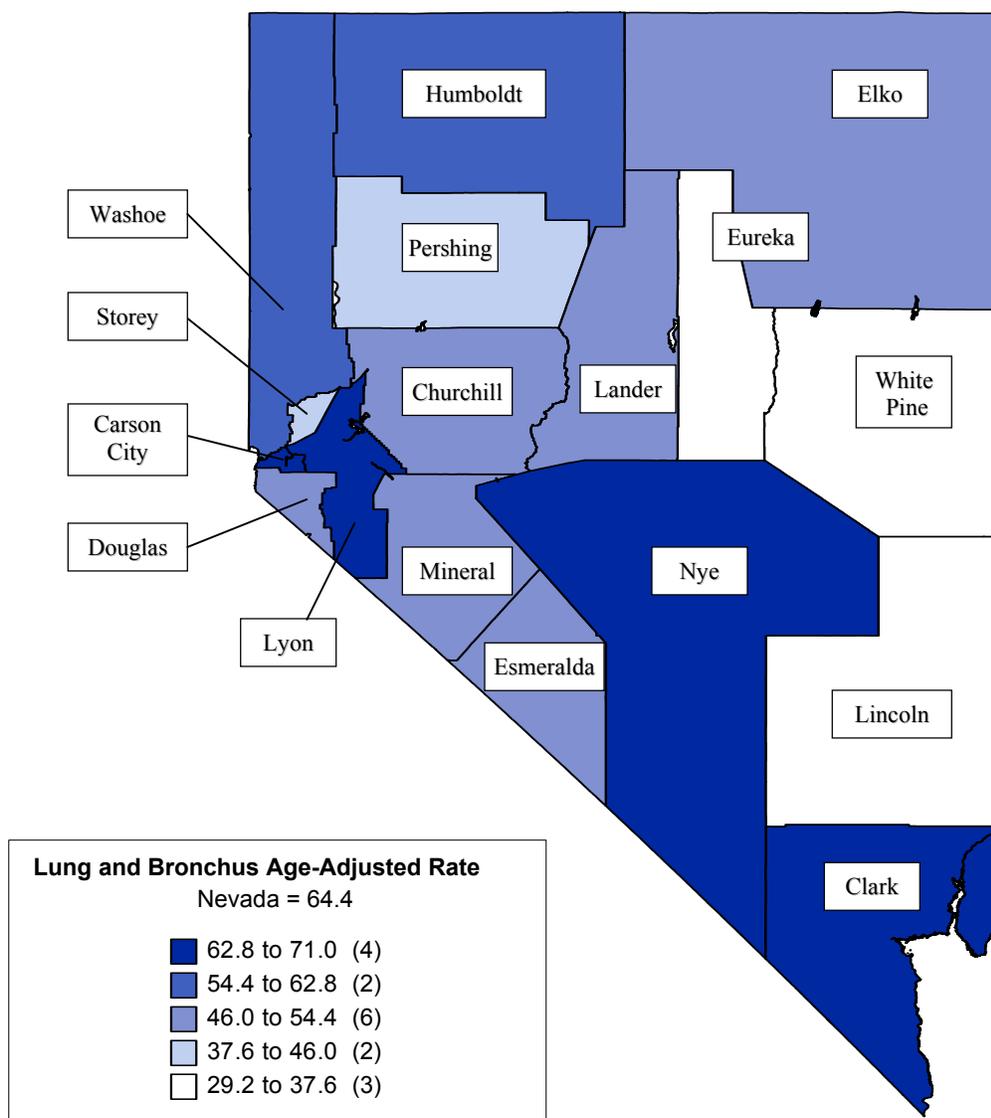
Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 54. Lung and Bronchus Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1996-2000

Age Group	Discharges	Charges (\$)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	0	---	---	---	---	---	---
1-4	0	---	---	---	---	---	---
5-14	0	---	---	---	---	---	---
15-24	1	---	---	---	---	---	---
25-34	10	716,742	71,674	29,282	84	8.4	7.0
35-44	123	3,304,320	26,864	22,913	962	7.8	6.0
45-54	480	14,204,815	29,593	24,894	3,861	8.0	6.0
55-64	1,277	41,924,255	32,830	25,431	10,741	8.4	6.0
65-74	1,837	56,394,156	30,699	24,939	14,210	7.7	6.0
75-84	1,016	28,949,516	28,494	22,091	7,946	7.8	7.0
85+	151	3,686,000	24,411	18,730	1,225	8.1	7.0
Unknown	0	---	---	---	---	---	---
Total	4,895	149,204,005	30,481	24,201	39,033	8.0	6.0

MORTALITY

Figure 44. Lung and Bronchus Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 45. Lung and Bronchus Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1996-2000

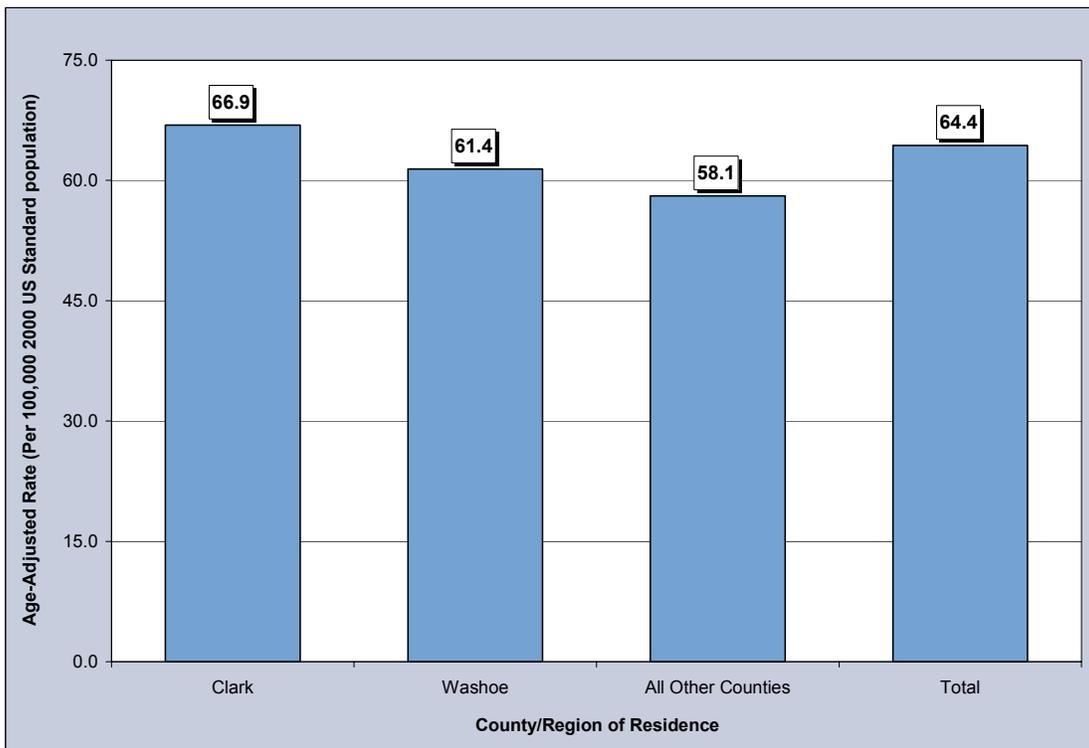


Figure 46. Lung and Bronchus Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1996-2000

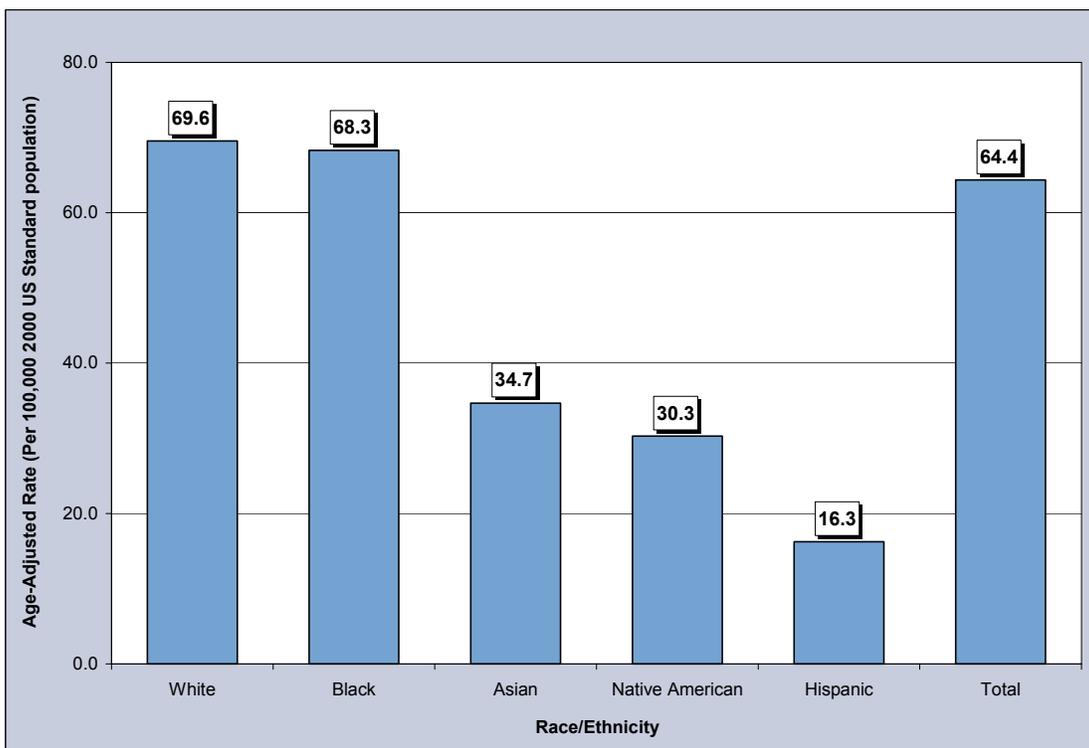


Table 55. Lung and Bronchus Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	5,385	3,692	864	829
Rate*	64.4	66.9	61.4	58.1
95% C.I.	(62.6-66.2)	(64.7-69.2)	(57.3-65.8)	(54.1-62.3)
Gender				
Male	3,032	2,082	466	484
Rate*	78.1	82.0	72.5	70.6
95% C.I.	(75.1-81.2)	(78.1-86.0)	(65.7-80.0)	(64.2-77.6)
Female	2,353	1,610	398	345
Rate*	53.4	55.3	52.8	47.0
95% C.I.	(51.3-55.7)	(52.6-58.1)	(47.7-58.3)	(42.1-52.3)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	4,926	3,296	821	809
Rate*	69.6	73.2	65.5	61.4
95% C.I.	(67.6-71.6)	(70.7-75.9)	(61.0-70.2)	(57.2-65.9)
Black	263	249	12	2
Rate*	68.3	69.8	56.2	---
95% C.I.	(59.8-78.0)	(60.8-80.0)	(28.2-102.8)	---
Native American	25	9	8	8
Rate*	30.3	---	---	---
95% C.I.	(19.1-46.8)	---	---	---
Asian	86	71	13	2
Rate*	34.7	37.6	29.8	---
95% C.I.	(25.6-47.2)	(26.5-53.4)	(14.6-67.0)	---
Hispanic	80	65	8	7
Rate*	16.3	17.1	---	---
95% C.I.	(12.4-21.3)	(12.7-23.2)	---	---
Other/Unknown	5	2	2	1

Note: The “---” is used for rates calculated on numbers less than ten.

*Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 56. Lung and Bronchus Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	5,385	3,692	864	829
Rate*	57.9	58.6	52.8	60.5
95% C.I.	(56.3-59.4)	(56.8-60.5)	(49.2-56.3)	(56.4-64.6)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	7	7	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	77	54	13	10
Rate*	5.2	5.5	4.7	4.4
95% C.I.	(4.0-6.3)	(4.0-6.9)	(2.1-7.2)	(1.7-7.2)
45-54	430	313	64	53
Rate*	35.6	39.5	28.5	27.6
95% C.I.	(32.2-38.9)	(35.1-43.9)	(21.5-35.5)	(20.1-35.0)
55-64	1,174	804	181	189
Rate*	136.4	138.3	128.0	137.0
95% C.I.	(128.6-144.2)	(128.7-147.8)	(109.3-146.6)	(117.5-156.5)
65-74	2,036	1,387	314	335
Rate*	328.4	334.6	311.3	320.6
95% C.I.	(314.2-342.7)	(317.0-352.2)	(276.9-345.8)	(286.3-354.9)
75-84	1,377	927	242	208
Rate*	420.1	428.7	439.8	368.3
95% C.I.	(397.9-442.3)	(401.1-456.3)	(384.4-495.2)	(318.2-418.3)
85+	282	198	50	34
Rate*	400.3	462.2	346.8	257.7
95% C.I.	(353.6-447.0)	(397.8-526.6)	(250.7-443.0)	(171.1-344.3)
Unknown	1	1	0	0

Note: The “---” is used for rates calculated on numbers less than ten.
 * Rates are per 100,000 age-specific population.

Table 57. Lung and Bronchus Cancer Mortality by County of Residence, Nevada Residents, 1996-2000

County of Residence	1996-2000 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	207	84.4	(72.9-96.0)	71.0	(61.6-81.5)
Churchill	56	47.5	(35.0-59.9)	49.8	(37.5-65.3)
Clark	3,692	58.6	(56.8-60.5)	66.9	(64.7-69.2)
Douglas	115	57.5	(47.0-68.0)	50.1	(40.9-61.2)
Elko	61	26.6	(19.9-33.3)	50.2	(37.4-66.6)
Esmeralda	4	---	---	---	---
Eureka	3	---	---	---	---
Humboldt	34	40.5	(26.9-54.1)	59.6	(40.7-85.8)
Lander	10	31.2	(11.9-50.5)	51.2	(23.3-100.1)
Lincoln	9	---	---	---	---
Lyon	133	82.2	(68.2-96.2)	68.1	(56.9-81.4)
Mineral	19	69.0	(38.0-100.1)	52.7	(31.3-87.5)
Nye	144	97.0	(81.2-112.9)	67.8	(56.5-81.7)
Pershing	9	---	---	---	---
Storey	9	---	---	---	---
Washoe	864	52.8	(49.2-56.3)	61.4	(57.3-65.8)
White Pine	16	36.7	(18.7-54.7)	31.9	(18.2-53.7)
Unknown	0	---	---	---	---
Total	5,385	57.9	(56.3-59.4)	64.4	(62.6-66.2)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 58. Lung and Bronchus Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity		Gender		
		Male	Female	Total
White	Mortality	2,757	2,169	4,926
	Rate*	82.9	58.8	69.6
	95% C.I.	(79.6-86.3)	(56.3-61.4)	(67.6-71.6)
Black	Mortality	164	99	263
	Rate*	95.9	47.5	68.3
	95% C.I.	(79.8-115.9)	(38.3-58.6)	(59.8-78.0)
Native American	Mortality	14	11	25
	Rate*	42.2	24.7	30.3
	95% C.I.	(20.2-84.1)	(12.1-45.9)	(19.1-46.8)
Asian	Mortality	41	45	86
	Rate*	40.4	30.3	34.7
	95% C.I.	(25.7-63.3)	(19.6-47.3)	(25.6-47.2)
Hispanic	Mortality	54	26	80
	Rate*	23.2	10.5	16.3
	95% C.I.	(16.2-33.8)	(6.5-16.4)	(12.4-21.3)
Other/Unknown		2	3	5
Total	Mortality	3,032	2,353	5,385
	Rate*	78.1	53.4	64.4
	95% C.I.	(75.1-81.2)	(51.3-55.7)	(62.6-66.2)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 59. Lung and Bronchus Cancer Mortality by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	1	1
Rate*	---	---	---
95% C.I.	---	---	---
25-34	5	2	7
Rate*	---	---	---
95% C.I.	---	---	---
35-44	34	43	77
Rate*	4.4	6.0	5.2
95% C.I.	(2.9-5.9)	(4.2-7.7)	(4.0-6.3)
45-54	232	198	430
Rate*	37.9	33.2	35.6
95% C.I.	(33.0-42.8)	(28.6-37.8)	(32.2-38.9)
55-64	707	467	1,174
Rate*	164.9	108.1	136.4
95% C.I.	(152.7-177.1)	(98.3-117.9)	(128.6-144.2)
65-74	1,164	872	2,036
Rate*	380.7	277.6	328.4
95% C.I.	(358.8-402.6)	(259.1-296.0)	(314.2-342.7)
75-84	742	635	1,377
Rate*	503.1	352.2	420.1
95% C.I.	(466.9-539.3)	(324.8-379.6)	(397.9-442.3)
85+	147	135	282
Rate*	648.3	282.6	400.3
95% C.I.	(543.5-753.1)	(234.9-330.2)	(353.6-447.0)
Unknown	1	0	1
Total	3,032	2,353	5,385
Rate*	64.1	51.5	57.9
95% C.I.	(61.8-66.4)	(49.4-53.5)	(56.3-59.4)

Note: The "----" is used for rates calculated on numbers less than ten.

* Rates are per 100,000 age-specific population.

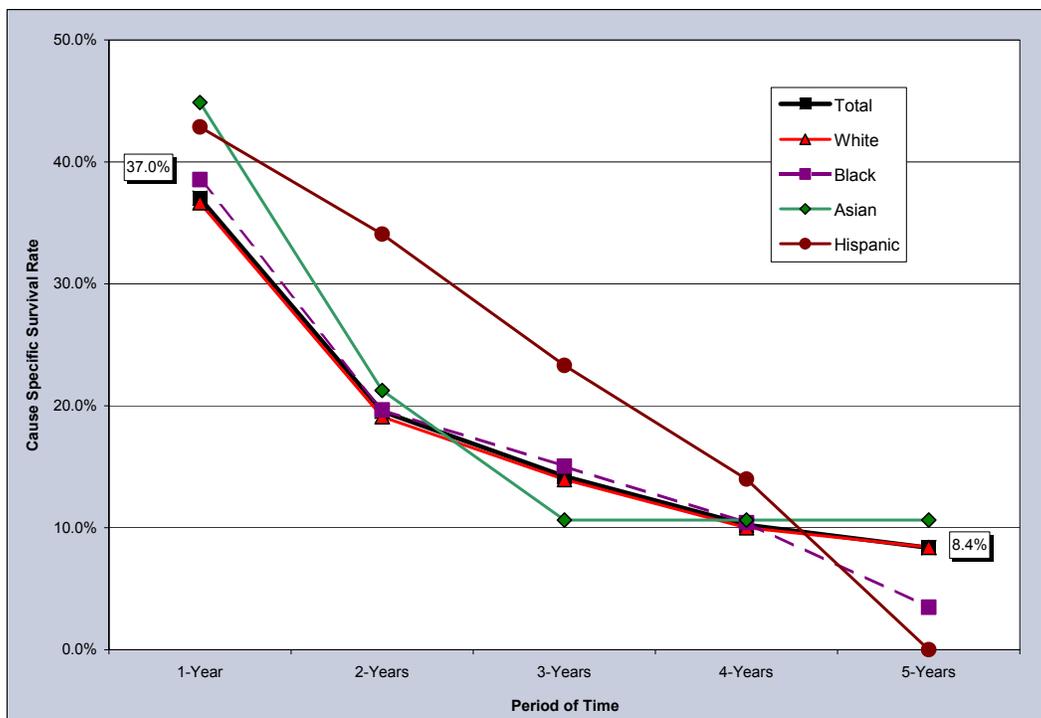
Table 60. Median Age at Death from Lung and Bronchus Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender					
	Male		Female		Total	
	Deaths	Median Age	Deaths	Median Age	Deaths	Median Age
White	2,756	70.0	2,169	70.0	4,925	70.0
Black	164	66.0	99	66.0	263	66.0
Native American	14	67.0	11	69.0	25	68.0
Asian	41	69.0	45	68.0	86	68.5
Hispanic	54	66.0	26	67.5	80	66.0
Other/Unknown	2	---	3	---	5	70.0
Total	3,031	69.0	2,353	70.0	5,384	70.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 47. Survival Rates for Lung and Bronchus Cancer by Race/Ethnicity, Nevada Residents, 1996-2000



Notes: The survival rate for those racial/ethnic groups not included in this chart could not be calculated due to small cell size.

Figure 48. Survival Rates for Lung and Bronchus Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1996-2000

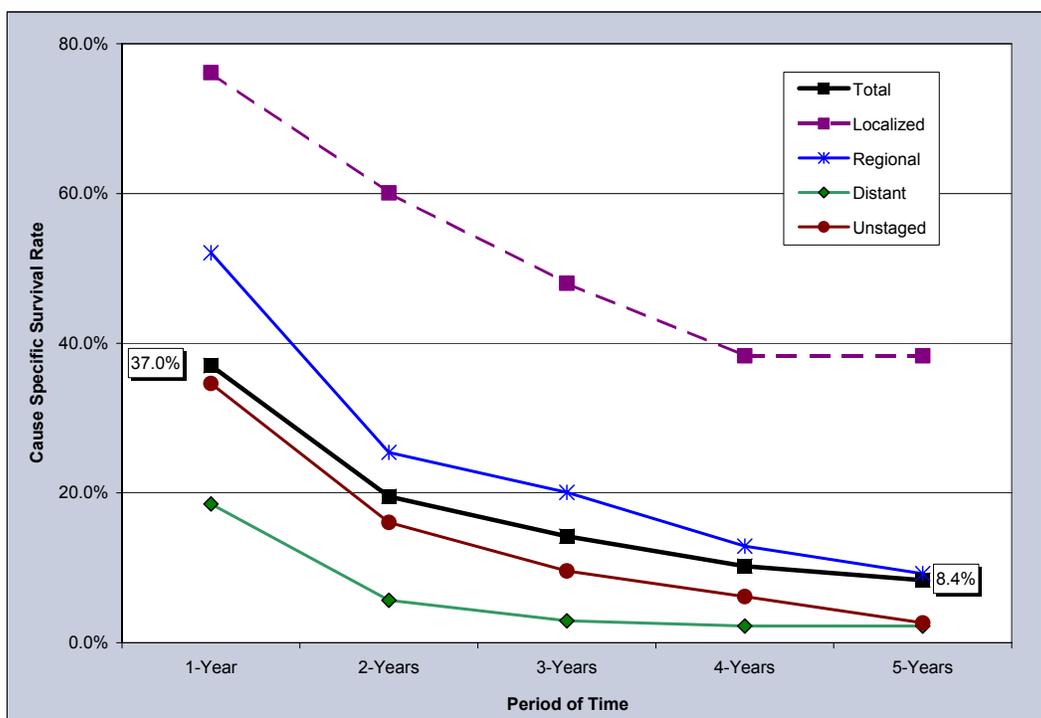


Table 61. Cause-Specific Survival Rates for Lung and Bronchus Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	4,702	37.0%	19.5%	14.2%	10.2%	8.4%	0.79
Male	2,575	34.4%	18.2%	13.5%	9.5%	8.2%	0.76
Female	2,127	40.3%	21.2%	15.1%	11.1%	8.6%	0.84
Race/Ethnicity							
White	4,276	36.6%	19.1%	13.9%	10.0%	8.4%	0.79
Male	2,331	34.0%	17.6%	13.1%	9.1%	7.7%	0.76
Female	1,945	39.8%	20.9%	14.9%	11.1%	9.3%	0.83
Black	213	38.5%	19.7%	15.0%	10.4%	3.5%	0.81
Male	119	31.2%	15.6%	11.4%	11.4%	11.4%	0.73
Female	94	48.2%	25.0%	19.7%	9.9%	0.0%	0.97
Native American	16	---	---	---	---	---	---
Male	9	---	---	---	---	---	---
Female	7	---	---	---	---	---	---
Asian	90	44.9%	21.3%	10.6%	10.6%	10.6%	0.91
Male	46	---	---	---	---	---	---
Female	44	---	---	---	---	---	---
Hispanic	97	42.9%	34.1%	23.3%	14.0%	---	0.88
Male	64	41.4%	32.8%	27.8%	16.7%	---	0.85
Female	33	---	---	---	---	---	---

Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 62. Cause-Specific Survival Rates for Lung and Bronchus Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1996-2000

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	4,702	2,575	2,127
	One Year	37.0%	34.4%	40.3%
	5 Years	8.4%	8.2%	8.6%
	Median Survival	0.79	0.76	0.84
Stage at Diagnosis				
In situ	Cases	0	0	0
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Localized	Cases	751	392	359
	One Year	76.1%	73.5%	79.2%
	5 Years	38.3%	37.8%	38.9%
	Median Survival	2.84	2.74	2.95
Regional	Cases	987	522	465
	One Year	52.1%	54.5%	49.4%
	5 Years	9.2%	9.5%	8.9%
	Median Survival	1.08	1.15	0.99
Distant	Cases	1,954	1,115	839
	One Year	18.5%	15.8%	22.2%
	5 Years	2.2%	1.8%	2.7%
	Median Survival	0.61	0.59	0.64
Unstaged	Cases	1,010	546	464
	One Year	34.6%	30.6%	39.4%
	5 Years	2.6%	3.6%	2.9%
	Median Survival	0.76	0.72	0.83

Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.